

Patent Claims

1. An air pump, which is insertable into a saddle post (50) of a bicycle, having a cylinder (2), a piston having a piston rod (3), a handle (4), and an air outlet valve (5) movably connected to the cylinder (2), characterized in that a deformable element (6) is provided between cylinder (2) and air outlet valve (5), whose diameter (d) may be enlarged by folding over the air outlet valve (5), so that the longitudinal axis (A) of the cylinder (2) and the longitudinal axis (a) of the air outlet valve (5) at least largely run parallel, the air pump (1) being lockable in the saddle post (50).
2. The air pump according to Claim 1,
characterized in that the handle (4) is implemented as at least one tool (30, 31).
3. The air pump according to Claim 1 or 2,
characterized in that the tool (30, 31) is removably connected to the air pump (1), particularly to the piston rod (3) and/or the cylinder (2).
4. The air pump according to one of the preceding claims,
characterized in that a cylindrical container (20), whose diameter is smaller than the diameter of the frame tube (60), is removably connected to the air outlet valve (5).
5. The air pump according to Claim 4,
characterized in that the cylindrical container (20) may be filled with repair kits, tools, replacement parts, or similar objects.
6. The air pump according to one of the preceding claims,
characterized in that the deformable element (6) is a rubber seal.
7. The air pump according to one of Claims 3 to 6,
characterized in that a screw and/or plug-in connection (14, 25) is provided as the removable connection of the tool (30, 31) and/or the container (20).